

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
LOMASR.026AAPPLICATION NO.
10/691,444INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANTS
Paul Denney et al.FILING DATE
October 22, 2003GROUP
Unknown

2877

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>Fit</i>	1	3,871,485	03/18/75	Keenan, Jr.	—	—	
<i>Fit</i>	2	4,227,582	10/14/80	Price	—	—	
<i>Fit</i>	3	4,568,814	02/04/86	Hamasaki et al.	—	—	
<i>Fit</i>	4	5,554,335	09/10/96	Fields et al.	—	—	
<i>Fit</i>	5	5,592,283	01/07/97	Flesher et al.	—	—	
<i>Fit</i>	6	5,657,595	08/19/97	Fyfe et al.	—	—	
<i>Fit</i>	7	5,664,389	09/09/97	Williams	—	—	
<i>Fit</i>	8	5,782,043	07/21/98	Duncan et al.	—	—	
<i>Fit</i>	9	5,920,938	07/13/99	Elcock et al.	—	—	
<i>Fit</i>	10	5,986,234	11/16/99	Matthews et al.	—	—	
<i>Fit</i>	11	6,056,827	05/02/00	Fukui et al.	—	—	
<i>Fit</i>	12	6,064,034	05/16/00	Rieck	—	—	
<i>Fit</i>	13	6,114,676	09/05/00	Jerby et al.	—	—	
<i>Fit</i>	14	6,288,362 B2	09/11/01	Thomas et al.	—	—	
<i>Fit</i>	15	6,288,363 B1	09/11/01	Kaga et al.	—	—	
<i>Fit</i>	16	6,417,487 B2	07/09/02	Nagura et al.	—	—	
<i>Fit</i>	17	6,507,000 B2	01/14/03	Otsubo et al.	—	—	
<i>Fit</i>	18	6,521,864 B2	02/18/03	Bertez et al.	—	—	
<i>Fit</i>	19	6,614,002 B2	09/02/03	Weber	—	—	
<i>Fit</i>	20	6,649,866 B2	11/18/03	Reichmann et al.	—	—	
<i>Fit</i>	21	2003/0132210 A1	07/17/03	Fujii et al.	—	—	
<i>Fit</i>	22	2003/0183608 A1	10/02/03	Yamazaki et al.	—	—	
<i>Fit</i>	23	2003/0222062 A1	12/04/03	Brown et al.	—	—	

EXAMINER

DATE CONSIDERED

1-2006

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

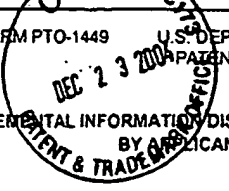
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. LOMASR.028A	APPLICATION NO. 10/691,444
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANTS Paul Denney et al.	
		FILING DATE October 22, 2003	GROUP Unknown 2817

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>fil</i>	24	WO 00/37208	12/12/99	Patent Cooperation Treaty (PCT)	—	—		
<i>fil</i>	25	WO 03/028941 A1	04/10/03	PCT	—	—		
<i>fil</i>	26	WO 03/028943 A1	04/10/03	PCT	—	—		
<i>fil</i>	27	WO 03/061895 A1	07/31/03	PCT	—	—		
<i>fil</i>	28	JP 62179884 A	08/07/87	Japan	—	—		
<i>fil</i>	29	JP 63157778 A	06/30/88	Japan	—	—		
<i>fil</i>	30	JP 63157780 A	06/30/88	Japan	—	—		
<i>fil</i>	31	JP 03081080 A	04/05/91	Japan	—	—		
<i>fil</i>	32	JP 04316000 A	11/06/92	Japan	—	—		
<i>fil</i>	33	JP 10331434 A	12/15/98	Japan	—	—		
<i>fil</i>	34	JP 11019785 A	01/26/99	Japan	—	—		

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
<i>fil</i>	35 PCT International Search Report dated September 23, 2003 in 5 pages.
<i>fil</i>	36 "Study on Laser Cutting of Concrete," Hiroshi Yoshizawa, Sivakumaran Wignarajah, and Hideaki Saito, <u>Transactions of the Japan Welding Society</u> , Vol. 20, No. 1, April 1989, pp. 31-36.

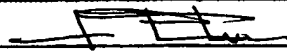
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EXAMINER	DATE CONSIDERED 1-2806
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

 <p>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p>	ATTY. DOCKET NO. LOMASR.026A	APPLICATION NO. 10/691,444
	APPLICANTS Paul E. Denney et al.	
	FILING DATE October 22, 2003	GROUP 2875 2877

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>Pat</i>	1	5,026,966	06/25/91	Roth	—	—	
<i>Pat</i>	2	5,034,010	07/23/91	Kittrell et al.	—	—	
<i>Pat</i>	3	5,085,026	02/04/92	McGill et al.	—	—	
<i>Pat</i>	4	5,107,516	04/21/92	Dressel et al.	—	—	
<i>Pat</i>	5	5,148,446	09/15/92	Radich	—	—	
<i>Pat</i>	6	5,256,852	10/26/93	Boudot	—	—	
<i>Pat</i>	7	5,977,515	11/02/99	Uraki et al.	—	—	
<i>Pat</i>	8	6,191,382 B1	02/20/01	Damikolas	—	—	
<i>Pat</i>	9	6,664,495 B2	12/16/03	Yamaguchi et al.	—	—	
<i>Pat</i>	10	6,664,504 B2	12/16/03	Bertez	—	—	
<i>Pat</i>	11	6,667,458 B1	12/23/03	Sirat	—	—	
<i>Pat</i>	12	6,670,571 B2	12/30/03	Dance	—	—	
<i>Pat</i>	13	6,670,575 B1	12/30/03	Wrba et al.	—	—	
<i>Pat</i>	14	6,683,277 B1	01/27/04	Millard et al.	—	—	
<i>Pat</i>	15	6,693,256 B2	02/17/04	Furujo et al.	—	—	
<i>Pat</i>	16	6,720,567 B2	04/13/04	Fordahl et al.	—	—	
<i>Pat</i>	17	6,777,646 B2	08/17/04	Schubert	—	—	
<i>Pat</i>	18	6,791,061 B2	09/14/04	Fujii et al.	—	—	
<i>Pat</i>	19	6,797,919 B1	09/28/04	Millard et al.	—	—	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Pat</i>	20	EP 0 521 194 A /	01/07/93	Europe	—	—		
<i>Pat</i>	21	EP 0 540 745 A /	05/12/93	Europe	—	—		
<i>Pat</i>	22	EP 1 189 241 A1 /	03/20/02	Europe	—	—		
<i>Pat</i>	23	JP 59087992 A2 /	09/11/84	Japan (Abstract)	—	—		

EXAMINER 	DATE CONSIDERED 1-2006
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

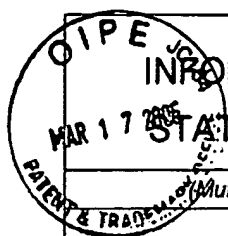
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION ENCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. LOMASR.026A	APPLICATION NO. 10/691,444
	APPLICANTS Paul E. Denney et al.	
	FILING DATE October 22, 2003	GROUP 2876 2877

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>PC</i>	24	JP 59-87992 ✓	09/11/84	Japan (Patent)	—	—		
<i>PC</i>	25	JP 09242453 ✓	09/16/97	Japan (Abstract)	—	—		
<i>PC</i>	26	JP 9-242453 ✓	09/16/97	Japan (Patent)	—	—		
<i>PC</i>	27	PCT/US2004/008219	03/18/04	PCT Int'l Search Report mailed 09/21/2004	—	—		
<i>PC</i>	28	PCT/US2004/008070	03/18/04	PCT Int'l Search Report dated 08/20/2004	—	—		
<i>PC</i>	29	PCT/US2004/008229	07/27/89	PCT Int'l Search Report dated 10/26/2004	—	—		
<i>PC</i>	30	PCT/US2004/008314	03/18/04	PCT Int'l Search Report dated 05/08/2004	—	—		
<i>PC</i>	31	PCT/US2004/008312	03/18/04	PCT Int'l Search Report mailed 09/21/2004	—	—		
<i>PC</i>	32	WO 89/06519 A ✓	07/27/89	(WIPO) PCT Application	—	—		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ¹
<i>PC</i>	33	RÜMENAPP, T., ET AL., "Laser Beam Cutting of Concrete," <u>Key Engineering Materials</u> , Fraunhofer Institute Material and Beam Technology Dresden, D-01277 Dresden, Germany, Vol. 250, 2003, pp. 257-261.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/691,444
Filing Date	October 22, 2003
First Named Inventor	Paul E. Denney
Art Unit	2876 2877
Examiner	Davienne N. Monbleau
Attorney Docket No.	LOMASR.026A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

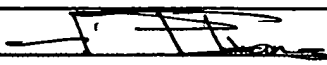
FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
<i>fw</i>		PCT/US2004/008312 ISR dated 09/02/04	03/18/2004	Loma Linda University Medical Center		
<i>fw</i>		PCT/US2004/008219 ISR dated 12/06/04	03/18/2004	Loma Linda University Medical Center		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

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Examiner Signature 	Date Considered 1-2006
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T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/691,444
Filing Date	October 22, 2003
First Named Inventor	Paul E. Denney
Art Unit	2878 2871
Examiner	Davienne N. Monbleau
Attorney Docket No.	LOMASR.026A

U.S. PATENT DOCUMENTS

Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<i>FD</i>	1	10/690,983 2004/0182840	10/22/2003 09/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.024A) Denney et al.	
<i>FD</i>	2	10/690,933 2005/0040150	10/22/2003 02/2005	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.023A) Denney et al.	
<i>FD</i>	3	10/690,975 2004/0182839	10/22/2003 09/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.024A) Denney et al.	
<i>FD</i>	4	10/691,481 2004/0182841	10/22/2003 09/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.025A) Denney et al.	
<i>FD</i>	5	10/803,272 2004/0208212	03/18/2004 10/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.0246P4) Denney et al.	
<i>FD</i>	6	10/803,243 2004/182842	03/18/2004 09/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.0236P1) Denney et al.	
<i>FD</i>	7	10/803,267 2004/0182999	03/18/2004 09/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.026GP1) Denney et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
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Date Considered

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/691,444
Filing Date	October 22, 2003
First Named Inventor	Paul E. Denney
Art Unit	2877
Examiner	Kara E. Geisel
Attorney Docket No.	LOMASR.026A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<i>fel</i>	1	3,569,660	03/09/1971	Houldcroft et al.	
<i>fel</i>	2	4,151,393	04/24/1979	Fenneman et al.	
<i>fel</i>	3	4,675,501	06/23/1987	Klingel	
<i>fel</i>	4	4,896,015	01/23/1990	Taboada et al.	
<i>fel</i>	5	5,780,806	07/14/1998	Ferguson et al.	
<i>fel</i>	6	6,201,214 B1	03/13/2001	Duffin	
<i>fel</i>	7	6,215,094 B1	04/10/2001	Dausinger et al.	
<i>fel</i>	8	6,350,326 B1	02/26/2002	McCay et al.	
<i>fel</i>	9	6,693,255 B2	02/17/2004	Freiwald et al.	
<i>fel</i>	10	6,875,951 B2	04/05/2005	Sakamoto et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
<i>fel</i>	11	JP 7-269130 (Patent)	10/17/1995	Taisei Corp.		
<i>fel</i>	12	JP 07269130 A (Abstract)	10/17/1995	Taisei Corp.		
<i>fel</i>	13	JP 63-224891 (Patent)	09/19/1988	Fujita Corp Kogyo Kaihatsu Kenkyusho		
<i>fel</i>	14	JP 63224891 A (Abstract)	09/19/1988	Fujita Corp Kogyo Kaihatsu Kenkyusho		

NON PATENT LITERATURE DOCUMENTS

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